ELSEVIER

1 October 1996

OPTICS COMMUNICATIONS

Optics Communications 130 (1996) 417–422

Author index to volume 130

Afanasjev, V.V., see Soto-Crespo, J.M. 130 (1996) 245
Akage, Y., see Wada, K. 130 (1996) 57
Akhmediev, N.N., see Soto-Crespo, J.M. 130 (1996) 245
Amat-Guerri, F., see Costela, A. 130 (1996) 44
Anderson, D., see Berntson, A. 130 (1996) 153
Antoni, M., see Patterson, B.A. 130 (1996) 1
Ariyasu, T., see Matsushima, K. 130 (1996) 272
Asakura, T., see Wada, N. 130 (1996) 122

Baker, J., see Restaino, S.R. 130 (1996) 231
Bakos, J.S., see Sörlei, Z. 130 (1996) 255
Ban, M., Reduction to the Fock state via a degenerate four-wave mixing 130 (1996) 365
Barroso, J., see Costela, A. 130 (1996) 44
Barthelemy, A., see Guy, O. 130 (1996) 41
Bélanger, N., see Bélanger, P.-A. 130 (1996) 413
Bélanger, P.-A. and N. Bélanger, Rms characteristics of pulses in nonlinear dispersive lossy fibers (Optics Comm. 117 (1995) 56) 130 (1996) 413
Berntson, A., D. Anderson, M. Lisak, M.L. Quiroga-Teixeiro and M. Karlsson, Self-phase modulation in dispersion compensated optical fibre transmission systems 130 (1996) 153
Bolton, P.R., see Hora, H. 130 (1996) 283
Boreham, B.W., see Hora, H. 130 (1996) 283
Bozhevolnyi, S., see Xiao, M. 130 (1996) 337
Bradley, P.J. and C. De Angelis, Soliton dynamics and surface waves at the interface between saturable nonlinear dielectrics 130 (1996) 205

Cairns, G., see Smith, C.G. 130 (1996) 69
Campbell, S., see Shin, S.-H. 130 (1996) 20
Carnicer, A., S. Vallmitjana, J.R. de F. Moneo and I. Juvells, Implementation of an algorithm for detecting patterns in defocused scenes using binary joint transform correlation 130 (1996) 327
Carreras, R.A., S.R. Restaino, G.D. Love, G.L. Tarr and J.S. Fender, Phase diversity experimental results: deconvolution of ν Scorpii 130 (1996) 13
Carreras, R.A., see Restaino, S.R. 130 (1996) 231
Carvalho, M.I., see Singh, S.R. 130 (1996) 288
Chiang, H.-P. and J. Wang, Imaging through animal tissues with CW diode laser based broadband interferometry 130 (1996) 317
Cho, K., see Kim, M.G. 130 (1996) 377

Cho, Y., see Wada, K. 130 (1996) 57
Christodoulides, D.N., see Singh, S.R. 130 (1996) 288
Chu, P.L., see Ma, X. 130 (1996) 357
Cook, G. and K.D. Ridley, Investigation of the bandwidth dependent characteristics of stimulated Brillouin scattering using a modeless dye laser 130 (1996) 192
Costela, A., I. Garcia-Moreno, J.M. Figuera, F. Amat-Guerri, J. Barroso and R. Sastre, Solid-state dye laser based on Coumarin 540A-doped polymeric matrices 130 (1996) 44
Courtial, J., see Patterson, B.A. 130 (1996) 1

Dai, J.-H., see Xie, P. 130 (1996) 302
D'Alessandro, G., see Martin, R. 130 (1996) 414
De Angelis, C., see Bradley, P.J. 130 (1996) 205
de F. Moneo, J.R., see Carnicer, A. 130 (1996) 327
Depine, R.A. and M.L. Gigli, Diffraction from corrugated gratings made with biaxial crystals: Rayleigh methods 130 (1996) 109
Depine, R.A., see Skigin, D.C. 130 (1996) 307
Dinev, S., see Velchev, I. 130 (1996) 385
Djotyan, G.P., see Sörlei, Z. 130 (1996) 255
Drachev, V.P., S.V. Perminov and V.P. Safonov, Nonlinear phase characteristics of the dispersion interferometer at high-intensity pulses 130 (1996) 402
Dreischuh, A., see Velchev, I. 130 (1996) 385
Du, S.-d., see Gong, S.-q. 130 (1996) 249
Duncan, A.J., see Patterson, B.A. 130 (1996) 1
Dwivedi, L., see Smith, C.G. 130 (1996) 69

Ellin, H.C. and L. Solymar, Light scattering in bismuth silicate: matching of experimental results 130 (1996) 85

Fender, J.S., see Carreras, R.A. 130 (1996) 13
Figuera, J.M., see Costela, A. 130 (1996) 44
Fill, E.E., see Nilsen, J. 130 (1996) 415
Francini, F., G. Ottavi, P. Sansoni and B. Tiribilli, Characterisation of fulgides in a solid matrix as recording materials for optical components 130 (1996) 235
Fuji, T., H. Fukuda, T. Hattori and H. Nakatsuka, Femtosecond accumulated photon echoes excited by an incandescent lamp 130 (1996) 104
Fukuda, H., see Fuji, T. 130 (1996) 104

Gadomski, W., see Ratajska-Gadomska, B. 130 (1996) 97
Garcia-Moreno, I., see Costela, A. 130 (1996) 44
Georgiadis, R., see Peterlinz, K.A. 130 (1996) 260
Gigli, M.L., see Depine, R.A. 130 (1996) 109
Glückstad, J., Phase contrast image synthesis 130 (1996) 225
Gong, S.-q., S.-d. Du and Z.-z. Xu, Nonlinear theory of lasing with or without inversion in a simple three-level atomic system 130 (1996) 249
Gordon, D. and C.M. Savage, Evanescent wave diffraction of multi-level atoms 130 (1996) 34
Guy, O., V. Kubecek and A. Barthelemy, Mode-locked diode-pumped Nd:YAP laser 130 (1996) 41

Haidner, H., Artificial dielectrics designed as wavelength filters 130 (1996) 219

Hänninen, P.E., L. Lehtelä and S.W. Hell, Two- and multiphoton excitation of conjugate-dyes using a continuous wave laser 130 (1996) 29
Harvey, J.D., see Murdoch, S.G. 130 (1996) 25
Hattori, T., see Fuji, T. 130 (1996) 104
Healy, S.B., see Janulewicz, K.A. 130 (1996) 63
Hell, S.W., see Hänninen, P.E. 130 (1996) 29
Hirata, K., see Matsushima, K. 130 (1996) 272
Ho, Y.-K., see Hora, H. 130 (1996) 283
Hodel, W., see Peter, D.S. 130 (1996) 75
Höpfl, R., see Hora, H. 130 (1996) 283
Hora, H., W. Scheid, B.W. Boreham, R. Höpfl, P.R. Bolton and Y.-K. Ho, Diagnostics of picosecond laser pulses using non-linear forces of ponderomotive dynamics 130 (1996) 283
Horinaka, H., see Wada, K. 130 (1996) 57
Huang, G., G. Jin, M. Wu and Y. Yan, Novel gray image processing in a single operation optical morphological processor 130 (1996) 143

Imoto, N., see Kim, M.G. 130 (1996) 377
Isernia, T., G. Leone and R. Pierri, Unique phase reconstruction of near fields over planes 130 (1996) 131

Janulewicz, K.A., S.B. Healy and G.J. Pert, Electron energy relaxation in helium-plasmas driven by linearly polarised subpicosecond laser pulses 130 (1996) 63
Jin, G., see Huang, G. 130 (1996) 143
Juvells, I., see Carnicer, A. 130 (1996) 327

Kamra, K. and K. Singh, Photorefractive half-adder: beam-fanning for optical generation of 'SUM' and 'CARRY' 130 (1996) 393
Karlsson, M., see Berntson, A. 130 (1996) 153
Kent, A.J., see Martin, R. 130 (1996) 414
Key, M.H., see Smith, C.G. 130 (1996) 69
Kim, M.G., N. Imoto, K. Cho and M.S. Kim, Quantum noise in optical beam propagation in distributed amplifiers 130 (1996) 377
Kim, M.S., see Kim, M.G. 130 (1996) 377
Kira, M. and S. Stenholm, Conduction electron optics 130 (1996) 267
Krishnan, J., see Smith, C.G. 130 (1996) 69
Kubecek, V., see Guy, O. 130 (1996) 41

Laschek, M., see Wandt, D. 130 (1996) 81
Le Berre, M., see Leduc, D. 130 (1996) 181
Leduc, D., M. Le Berre, E. Ressayre and A. Tallet, Bifurcations from a 8-fold orientational order quasipattern in a polarization instability device 130 (1996) 181
Lehmberg, R.H., Spatial profile distortion of harmonically-converted partially-coherent light 130 (1996) 51
Lehtelä, L., see Hänninen, P.E. 130 (1996) 29
Leone, G., see Isernia, T. 130 (1996) 131
Leonhardt, R., see Murdoch, S.G. 130 (1996) 25
Lewis, C.L.S., see Smith, C.G. 130 (1996) 69
Li, Y., see Nilsen, J. 130 (1996) 415
Liao, C., see Liu, J. 130 (1996) 295

Lisak, M., see Berntson, A. 130 (1996) 153
Liu, J., C. Liao, S. Liu and W. Xu, The dynamics of direction-dependent switching in nonlinear chirped gratings 130 (1996) 295
Liu, S., see Liu, J. 130 (1996) 295
Loos, G.C., see Restaino, S.R. 130 (1996) 231
Love, G.D., see Carreras, R.A. 130 (1996) 13
Lü, B. and B. Zhang, The inverse problem of a laser amplifier 130 (1996) 279
Lu, P., see Nilsen, J. 130 (1996) 415

Ma, X. and P.L. Chu, Design of temperature-compensated elliptical core birefringent fibres 130 (1996) 357
MacPhee, A.G., see Smith, C.G. 130 (1996) 69
Martin, R., A.J. Kent, G. D'Alessandro and G.-L. Oppo, Feasibility of controlling complex dynamics in multi transverse mode lasers (Optics Comm. 127 (1996) 161) 130 (1996) 414
Marui, H., see Wada, K. 130 (1996) 57
Matsushima, K., K. Hirata, T. Ariyasu and N. Sokabe, Anisotropic unidirectional operation of an optically-pumped CH_3OH ring laser 130 (1996) 272
McBroom, R.J., see Restaino, S.R. 130 (1996) 231
Moreno, J.C., see Nilsen, J. 130 (1996) 415
Murdoch, S.G., R. Leonhardt and J.D. Harvey, Tuneable THz beat frequency generation in optical fibers 130 (1996) 25

Nakatsuka, H., see Fuji, T. 130 (1996) 104
Neely, D., see Smith, C.G. 130 (1996) 69
Neshev, D., see Velchev, I. 130 (1996) 385
Nilsen, J., Y. Li, P. Lu, J.C. Moreno and E.E. Fill, Relative merits of using curved targets and the prepulse technique to enhance the output of the neon-like germanium X-ray laser (Optics Comm. 124 (1996) 287) 130 (1996) 415

Ochoa, N.A., M. Servin, R. Rodriguez-Vera and F.M. Santoyo, PLL interferometry on non-continuous domains 130 (1996) 7
Oppo, G.-L., see Martin, R. 130 (1996) 414
Ottavi, G., see Francini, F. 130 (1996) 235

Padgett, M.J., see Patterson, B.A. 130 (1996) 1
Patterson, B.A., M. Antoni, J. Courtial, A.J. Duncan, W. Sibbett and M.J. Padgett, An ultra-compact static Fourier-transform spectrometer based on a single birefringent component 130 (1996) 1
Perminov, S.V., see Drachev, V.P. 130 (1996) 402
Perrone, M.R. and V. Piccinno, Evaluation of the XeCl beam quality on the Stokes beam parameters 130 (1996) 172
Pert, G.J., see Janulewicz, K.A. 130 (1996) 63
Peter, D.S., W. Hodel and H.P. Weber, Efficient distortion-free amplification of 1.3 μm femtosecond pulses in a Pr^{3+}-doped fluoride fiber amplifier 130 (1996) 75
Peterlinz, K.A. and R. Georgiadis, Two-color approach for determination of thickness and dielectric constant of thin films using surface plasmon resonance spectroscopy 130 (1996) 260
Piccinno, V., see Perrone, M.R. 130 (1996) 172
Pierri, R., see Isernia, T. 130 (1996) 131
Przyklenk, K., see Wandt, D. 130 (1996) 81

Quiroga-Teixeiro, M.L., see Berntson, A. 130 (1996) 153

Ramsden, S.A., see Smith, C.G. 130 (1996) 69
Rao Gudimetla, V.S., Moments of the intensity of a non-circular Gaussian laser speckle pattern in the diffraction field 130 (1996) 348
Ratajska-Gadomska, B. and W. Gadomski, Phase dynamics in bistable and chaotic behaviour of a soft crystal mode parametrically driven by an optical field 130 (1996) 97
Ressayre, E., see Leduc, D. 130 (1996) 181
Restaino, S.R., R.J. McBroom, J. Baker, R.A. Carreras and G.C. Loos, Visible interferometric coupling of two telescopes through single mode optical fibers 130 (1996) 231
Restaino, S.R., see Carreras, R.A. 130 (1996) 13
Ridley, K.D., see Cook, G. 130 (1996) 192
Rodriguez-Vera, R., see Ochoa, N.A. 130 (1996) 7

Safonov, V.P., see Drachev, V.P. 130 (1996) 402
Sansoni, P., see Francini, F. 130 (1996) 235
Santarsiero, M., see Vicalvi, S. 130 (1996) 241
Santoyo, F.M., see Ochoa, N.A. 130 (1996) 7
Sárközi, J., see Sörlei, Z. 130 (1996) 255
Sastre, R., see Costela, A. 130 (1996) 44
Savage, C.M., see Gordon, D. 130 (1996) 34
Scheid, W., see Hora, H. 130 (1996) 283
Servin, M., see Ochoa, N.A. 130 (1996) 7
Shin, S.-H., S. Campbell and P. Yeh, Spatial differentiation of optical images using selective erasure of photorefractive holograms 130 (1996) 20
Sibbett, W., see Patterson, B.A. 130 (1996) 1
Singh, K., see Kamra, K. 130 (1996) 393
Singh, S.R., M.I. Carvalho and D.N. Christodoulides, Higher-order space charge field effects on the evolution of spatial solitons in biased photorefractive crystals 130 (1996) 288
Skigin, D.C. and R.A. Depine, *R*-matrix method for a surface with one groove of arbitrary profile 130 (1996) 307
Smith, C.G., M.H. Key, G. Cairns, L. Dwivedi, J. Krishnan, C.L.S. Lewis, A.G. MacPhee, D. Neely, S.A. Ramsden and G. Tallents, Study of beam aberrations in a germanium XXIII XUV laser amplifier 130 (1996) 69
Sokabe, N., see Matsushima, K. 130 (1996) 272
Solymar, L., see Ellin, H.C. 130 (1996) 85
Sörlei, Z., J.S. Bakos, G.P. Djotyan and J. Sárközi, On observability of the ac Stark effect line splitting in case of beams of finite size 130 (1996) 255
Soto-Crespo, J.M., V.V. Afanasjev, N.N. Akhmediev and G.E. Town, Dual-frequency pulses in fiber lasers 130 (1996) 245
Spagnolo, G.S., see Vicalvi, S. 130 (1996) 241
Stenholm, S., see Kira, M. 130 (1996) 267

Tallents, G., see Smith, C.G. 130 (1996) 69
Tallet, A., see Leduc, D. 130 (1996) 181
Tarr, G.L., see Carreras, R.A. 130 (1996) 13
Tiribilli, B., see Francini, F. 130 (1996) 235
Town, G.E., see Soto-Crespo, J.M. 130 (1996) 245
Tünnermann, A., see Wandt, D. 130 (1996) 81

Uozumi, J., see Wada, N. 130 (1996) 122

Vallmitjana, S., see Carnicer, A. 130 (1996) 327
Velchev, I., A. Dreischuh, D. Neshev and S. Dinev, Interactions of optical vortex solitons superimposed on different background beams 130 (1996) 385
Vicalvi, S., G.S. Spagnolo and M. Santarsiero, Experimental determination of the size of a source from spectral measurements 130 (1996) 241

Wabnitz, S., Role of the filter spectral profile in the control of soliton transmissions 130 (1996) 89
Wada, K., Y. Akage, H. Marui, H. Horinaka, N. Yamamoto and Y. Cho, Simple method for determining the gain saturation coefficient of a distributed feedback semiconductor laser 130 (1996) 57
Wada, N., J. Uozumi and T. Asakura, Fraunhofer diffraction by gratings with scaling fluctuations 130 (1996) 122
Wagnière, G., see Zawodny, R. 130 (1996) 163
Wandt, D., M. Laschek, K. Przyklenk, A. Tünnermann and H. Welling, External cavity laser diode with 40 nm continuous tuning range around 825 nm 130 (1996) 81
Wang, J., see Chiang, H.-P. 130 (1996) 317
Wang, P.-Y., see Xie, P. 130 (1996) 302
Weber, H.P., see Peter, D.S. 130 (1996) 75
Welling, H., see Wandt, D. 130 (1996) 81
Woźniak, S., see Zawodny, R. 130 (1996) 163
Wu, M., see Huang, G. 130 (1996) 143

Xiao, M. and S. Bozhevolnyi, Imaging with reflection near-field optical microscope: contributions of middle and far fields 130 (1996) 337
Xie, P., J.-H. Dai, P.-Y. Wang and H.-J. Zhang, Numerical studies of externally pumped phase conjugation in photorefractive crystals with applied electric fields 130 (1996) 302
Xu, W., see Liu, J. 130 (1996) 295
Xu, Z.-z., see Gong, S.-q. 130 (1996) 249

Yamamoto, N., see Wada, K. 130 (1996) 57
Yan, Y., see Huang, G. 130 (1996) 143
Yeh, P., see Shin, S.-H. 130 (1996) 20

Zawodny, R., S. Woźniak and G. Wagnière, On optical rectification in chiral liquids near optical resonance 130 (1996) 163
Zhang, B., see Lü, B. 130 (1996) 279
Zhang, H.-J., see Xie, P. 130 (1996) 302

ELSEVIER

1 October 1996

Optics Communications 130 (1996) 423–426

OPTICS COMMUNICATIONS

Subject index to volume 130

Propagation, diffraction and scattering

R.A. Depine and M.L. Gigli, Diffraction from corrugated gratings made with biaxial crystals: Rayleigh methods 109

H. Haidner, Artificial dielectrics designed as wavelength filters 219

D.C. Skigin and R.A. Depine, *R*-matrix method for a surface with one groove of arbitrary profile 307

H.-P. Chiang and J. Wang, Imaging through animal tissues with CW diode laser based broadband interferometry 317

Optical information, image formation and analysis, optical computing

B.A. Patterson, M. Antoni, J. Courtial, A.J. Duncan, W. Sibbett and M.J. Padgett, An ultra-compact static Fourier-transform spectrometer based on a single birefringent component 1

N.A. Ochoa, M. Servin, R. Rodriguez-Vera and F.M. Santoyo, PLL interferometry on non-continuous domains 7

R.A. Carreras, S.R. Restaino, G.D. Love, G.L. Tarr and J.S. Fender, Phase diversity experimental results: deconvolution of ν Scorpii 13

S.-H. Shin, S. Campbell and P. Yeh, Spatial differentiation of optical images using selective erasure of photorefractive holograms 20

N. Wada, J. Uozumi and T. Asakura, Fraunhofer diffraction by gratings with scaling fluctuations 122

T. Isernia, G. Leone and R. Pierri, Unique phase reconstruction of near fields over planes 131

G. Huang, G. Jin, M. Wu and Y. Yan, Novel gray image processing in a single operation optical morphological processor 143

J. Glückstad, Phase contrast image synthesis 225

S.R. Restaino, R.J. McBroom, J. Baker, R.A. Carreras and G.C. Loos, Visible interferometric coupling of two telescopes through single mode optical fibers 231

F. Francini, G. Ottavi, P. Sansoni and B. Tiribilli, Characterisation of fulgides in a solid matrix as recording materials for optical components 235

S. Vicalvi, G.S. Spagnolo and M. Santarsiero, Experimental determination of the size of a source from spectral measurements 241

A. Carnicer, S. Vallmitjana, J.R. de F. Moneo and I. Juvells, Implementation of an algorithm for detecting patterns in defocused scenes using binary joint transform correlation 327

M. Xiao and S. Bozhevolnyi, Imaging with reflection near-field optical microscope: contributions of middle and far fields 337

V.S. Rao Gudimetla, Moments of the intensity of a non-circular Gaussian laser speckle pattern in the diffraction field 348

Optical communications

S.G. Murdoch, R. Leonhardt and J.D. Harvey, Tuneable THz beat frequency generation in optical fibers 25

A. Berntson, D. Anderson, M. Lisak, M.L. Quiroga-Teixeiro and M. Karlsson, Self-phase modulation in dispersion compensated optical fibre transmission systems 153

J.M. Soto-Crespo, V.V. Afanasjev, N.N. Akhmediev and G.E. Town, Dual-frequency pulses in fiber lasers 245

X. Ma and P.L. Chu, Design of temperature-compensated elliptical core birefringent fibres 357

Atomic, molecular and plasma physics

P.E. Hänninen, L. Lehtelä and S.W. Hell, Two- and multiphoton excitation of conjugate-dyes using a continuous wave laser 29

S.-q. Gong, S.-d. Du and Z.-z. Xu, Nonlinear theory of lasing with or without inversion in a simple three-level atomic system 249

Z. Sörlei, J.S. Bakos, G.P. Djotyan and J. Sárközi, On observability of the ac Stark effect line splitting in case of beams of finite size 255

Condensed matter

R. Zawodny, S. Woźniak and G. Wagnière, On optical rectification in chiral liquids near optical resonance 163

K.A. Peterlinz and R. Georgiadis, Two-color approach for determination of thickness and dielectric constant of thin films using surface plasmon resonance spectroscopy 260

M. Kira and S. Stenholm, Conduction electron optics 267

Quantum optics

D. Gordon and C.M. Savage, Evanescent wave diffraction of multi-level atoms 34

M. Ban, Reduction to the Fock state via a degenerate four-wave mixing 365

M.G. Kim, N. Imoto, K. Cho and M.S. Kim, Quantum noise in optical beam propagation in distributed amplifiers 377

Lasers

O. Guy, V. Kubecek and A. Barthelemy, Mode-locked diode-pumped Nd:YAP laser 41

A. Costela, I. Garcia-Moreno, J.M. Figuera, F. Amat-Guerri, J. Barroso and R. Sastre, Solid-state dye laser based on Coumarin 540A-doped polymeric matrices 44

R.H. Lehmberg, Spatial profile distortion of harmonically-converted partially-coherent light 51

K. Wada, Y. Akage, H. Marui, H. Horinaka, N. Yamamoto and Y. Cho, Simple method for determining the gain saturation coefficient of a distributed feedback semiconductor laser 57

K.A. Janulewicz, S.B. Healy and G.J. Pert, Electron energy relaxation in helium-plasmas driven by linearly polarised subpicosecond laser pulses 63

C.G. Smith, M.H. Key, G. Cairns, L. Dwivedi, J. Krishnan, C.L.S. Lewis, A.G. MacPhee, D. Neely, S.A. Ramsden and G. Tallents, Study of beam aberrations in a germanium XXIII XUV laser amplifier 69

D.S. Peter, W. Hodel and H.P. Weber, Efficient distortion-free amplification of 1.3 μm femtosecond pulses in a Pr^{3+}-doped fluoride fiber amplifier 75

D. Wandt, M. Laschek, K. Przyklenk, A. Tünnermann and H. Welling, External cavity laser diode with 40 nm continuous tuning range around 825 nm 81

M.R. Perrone and V. Piccinno, Evaluation of the XeCl beam quality on the Stokes beam parameters 172

K. Matsushima, K. Hirata, T. Ariyasu and N. Sokabe, Anisotropic unidirectional operation of an optically-pumped CH_3OH ring laser 272

B. Lü and B. Zhang, The inverse problem of a laser amplifier 279

H. Hora, W. Scheid, B.W. Boreham, R. Höpfl, P.R. Bolton and Y.-K. Ho, Diagnostics of picosecond laser pulses using non-linear forces of ponderomotive dynamics 283

Nonlinear optics

H.C. Ellin and L. Solymar, Light scattering in bismuth silicate: matching of experimental results 85

S. Wabnitz, Role of the filter spectral profile in the control of soliton transmissions 89

B. Ratajska-Gadomska and W. Gadomski, Phase dynamics in bistable and chaotic behaviour of a soft crystal mode parametrically driven by an optical field 97

T. Fuji, H. Fukuda, T. Hattori and H. Nakatsuka, Femtosecond accumulated photon echoes excited by an incandescent lamp 104

D. Leduc, M. Le Berre, E. Ressayre and A. Tallet, Bifurcations from a 8-fold orientational order quasipattern in a polarization instability device 181

G. Cook and K.D. Ridley, Investigation of the bandwidth dependent characteristics of stimulated Brillouin scattering using a modeless dye laser 192

P.J. Bradley and C. De Angelis, Soliton dynamics and surface waves at the interface between saturable nonlinear dielectrics 205

S.R. Singh, M.I. Carvalho and D.N. Christodoulides, Higher-order space charge field effects on the evolution of spatial solitons in biased photorefractive crystals 288

J. Liu, C. Liao, S. Liu and W. Xu, The dynamics of direction-dependent switching in nonlinear chirped gratings 295

P. Xie, J.-H. Dai, P.-Y. Wang and H.-J. Zhang, Numerical studies of externally pumped phase conjugation in photorefractive crystals with applied electric fields 302

I. Velchev, A. Dreischuh, D. Neshev and S. Dinev, Interactions of optical vortex solitons superimposed on different background beams 385

K. Kamra and K. Singh, Photorefractive half-adder: beam-fanning for optical generation of 'SUM' and 'CARRY' 393

V.P. Drachev, S.V. Perminov and V.P. Safonov, Nonlinear phase characteristics of the dispersion interferometer at high-intensity pulses 402

Errata

P.-A. Bélanger and N. Bélanger, Rms characteristics of pulses in nonlinear dispersive lossy fibers (Optics Comm. 117 (1995) 56) 413

R. Martin, A.J. Kent, G. D'Alessandro and G.-L. Oppo, Feasibility of controlling complex dynamics in multi transverse mode lasers (Optics Comm. 127 (1996) 161) 414

J. Nilsen, Y. Li, P. Lu, J.C. Moreno and E.E. Fill, Relative merits of using curved targets and the prepulse technique to enhance the output of the neon-like germanium X-ray laser (Optics Comm. 124 (1996) 287) 415